

Markers of First Onset Schizophrenia

-- Genetic vulnerability exacerbated by insults leads to Loss of neural integration, which produces functional alterations in brain and body arousal systems, cognition, and self-regulation.

	Disposition	Emotion	Feeling	Thinking	Self Regulation
Schizophrenia	NSG4 and DISC1 ¹ DTNBP1 and NOTCH4 ¹ Neuregulin ¹ PIP4K2A ¹ BDNF Met66 ¹ CHRNA7 ¹ COMT Met ¹ PRODH2 ¹ ↓ Gray and White Matter ⁵	Poor Emotion Recognition Especially Negative Emotions ⁹ Altered Gamma Synchrony ^{3,4} ↓ Fronto-temporal Activation ^{7,8}	Depression ¹	↓ Working Memory ² ↓ Verbal Memory ² ↓ Executive Function ² ↓ Selective Attention ² Slow Speed of Processing ² Altered Gamma Synchrony ^{3,4} ↓ ERP P300 ⁶ ↑ SCR ⁷	↓ Social Functioning ¹⁰ ↑ Negativity Bias ^{2,4} Altered Gamma Synchrony ^{3,4}

ERP P300 for Attention tasks

First Onset Schizophrenia References

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